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R. Powell

M. Rushbrook

S. Kari

W. Miller, DR:AD

K. Goller

D. Skovholt

LWR Tech Coord.

A. Toalston, OAI

LWR 1 BCs

ACRS (16)

D. Muller

B. Scharf (15 cys)

A. Steen

J. Saltzman, OAI

M. Grotenhuis, GP-2

P. Kreutzer, GP-2

E. Hughes

AUG 11 1975

Docket No. 50-325

Carolina Power & Light Company  
ATTN: Mr. J. A. Jones  
Executive Vice President  
336 Fayetteville Street  
P. O. Box 1551  
Raleigh, North Carolina 27602

Gentlemen:

Amendment No. 1

Construction Permit CPPR-68

Pursuant to the "Order Modifying License and Revoking Order to Show Cause", signed on July 9, 1975 by Ben C. Rusche, Director, Office of Nuclear Reactor Regulation we have issued Amendment No. 1 to Construction Permit CPPR-68. A copy of the Amendment, the Order and a related Federal Register Notice are enclosed for your information and use. The Federal Register Notice has been forwarded to the Office of the Federal Register for filing and publication.

Sincerely,

Original signed by

Walter Butler

Walter R. Butler, Chief

Light Water Reactors Branch 1-2

Division of Reactor Licensing

Enclosures:

1. Amendment No. 1 - CPPR-68
2. Order Modifying License and Revoking Order to Show Cause
3. Federal Register Notice

cc: Richard E. Jones, Esq.  
Carolina Power & Light Company  
336 Fayetteville Street  
Raleigh, North Carolina 27602

bcc: J. R. Buchanan, ORNL  
T. B. Abernathy, DTIE  
A. Rosenthal, ASLAB  
N. H. Goodrich, ASLBP

George F. Trowbridge, Esq.  
Shaw, Pittman, Potts & Trowbridge  
910 17th Street, N. W.  
Washington, D. C. 20006

OFFICE	L:LWR 1-2	L:LWR 1-2	OELD	L:LWR 1-2		
SURNAME	MRushbrook/red	RPowell	STRIDIRON	WRButler		
DATE	7791 8/4/75	8/4/75	8/11/75	7/11/75		

AUG 11 1975

cc: John J. Burney, Jr., Esq.  
 Burney, Burney, Sperry & Barefoot  
 110 North Fifth Avenue  
 P. O. Box 1741  
 Wilmington, North Carolina 28401

Ms. Janet Godwin, President  
 Project Environment  
 202 Bedford Road East  
 Wilmington, North Carolina 28401

Mr. Dave Hopkins  
 Environmental Protection Agency  
 1421 Peachtree Street, N. E.  
 Atlanta, Georgia 30309

Office of Intergovernmental Relations  
 116 West Jones Street  
 Raleigh, North Carolina 27603

Mr. W. A. Kopp, Jr.  
 Chairman, Board of County  
 Commissioners of Brunswick County  
 Bolivia, North Carolina 28422

OFFICE ➤						
SURNAME ➤						
DATE ➤						

UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

CAROLINA POWER & LIGHT COMPANY

DOCKET NO. 50-325

BRUNSWICK STEAM ELECTRIC PLANT, UNIT 1

PROVISIONAL CONSTRUCTION PERMIT

AMENDMENT No. 1  
CPPR-68

Pursuant to an "Order Modifying License and Revoking Order to Show Cause", dated July 9, 1975, the Nuclear Regulatory Commission (NRC) has issued Amendment No. 1 to Provisional Construction Permit No. 68 by adding Condition 2.D. to read as follows:

- 2.D. "Carolina Power and Light Company will undertake a program for seismic monitoring for a minimum of two years unless termination is earlier approved by the NRC staff. The program and its control will be conducted in general conformity with the document "Brunswick Steam Electric Plant Program for Seismic Monitoring" dated June 10, 1975 as revised June 27, 1975 and attached\* hereto as Appendix A. The program will include: 1) not less than ten seismic monitoring stations (seven permanent and three portable), in an array approved by the NRC staff in writing, and 2) quarterly reports on the monitoring data to be submitted to the NRC. Should the NRC staff determine that initiation of Phase II as described within the program within the two year monitoring period, or Phase III following initiation of Phase II, is required the licensee will either comply with a request to proceed to Phase II (or Phase III) or immediately request and be granted a hearing on the issue of whether the data on which the staff's request is based justifies the initiation of Phase II (or Phase III) under the program for seismic monitoring agreed to by the licensee and the NRC staff. Nothing herein will be construed as precluding changes in the program by the licensee which do not

\* Appendix A is not provided in this permit amendment but is available for public inspection in the NRC's public document room at 1717 H Street N.W., Washington, D. C. and at the Southport Brunswick County Library, 109 W. Moore Street, Southport, North Carolina.



adversely affect the quality or quantity of information derived from the monitoring program. NRC will be informed of any such changes in the quarterly report."

FOR THE NUCLEAR REGULATORY COMMISSION

*(for)* *Walter R. Butler*  
R. C. DeYoung, Assistant Director  
for Light Water Reactors, Group 1  
Division of Reactor Licensing

Date of Issuance: July 9, 1975

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

In the Matter of

Carolina Power & Light Company

(Brunswick Steam Electric Plant  
Units 1 and 2)

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}  
}  
}  
Docket Nos. 50-324  
50-325

ORDER MODIFYING LICENSE AND  
REVOKING ORDER TO SHOW CAUSE

On April 10, 1975 the Acting Director of the Office of Nuclear Reactor Regulation issued an Order to Carolina Power and Light Company (licensee) requiring it to show cause why its license Nos. DPR-62 and CPPR-68 should not be amended to require installation of a seismograph network and the conduct of an appropriate releveling program to determine whether dilatancy was occurring in the vicinity of the Brunswick plant. On May 5, 1975 in order to develop a detailed written study proposal the licensee requested an extension of time in which to respond. On May 9, 1975 the Director of Nuclear Reactor Regulation granted a time extension to July 9, 1975 provided the licensee submitted a seismic study proposal to the NRC staff on or before June 10, 1975. The licensee submitted such a proposal on June 10 and on June 20, 1975 it met with the NRC staff to discuss its position. This proposal entails the gathering and evaluation of data over a two year period principally by means of a

seismograph network. The NRC staff believes the licensee's proposal is responsible, responsive to the staff's concern, and will provide the data necessary to resolve the question of whether dilatancy is occurring in the vicinity of the Brunswick plant.

Accordingly, the public health, safety and interest require an amendment to the license to construct and operate nuclear power plants at the Brunswick facility which insures the seismic issue is resolved in compliance with the Commission's regulations and the Atomic Energy Act of 1954 as amended.

In view of the foregoing and pursuant to the Atomic Energy Act of 1954, as amended, and the regulations in 10 CFR Parts 2, 50 and 100, IT IS HEREBY ORDERED THAT:

1. Operating License No. DPR-62 and Construction Permit No. CPPR-68 are amended by adding the following requirement thereto:

Carolina Power and Light Company will undertake a program for seismic monitoring for a minimum of two years unless termination is earlier approved by the NRC staff. The program and its control will be conducted in general conformity with the document "Brunswick Steam Electric Plant Program for Seismic Monitoring" dated June 10, 1975 as revised June 27, 1975 and attached\*hereto as

Appendix A. The program will include: 1) not less than ten seismic

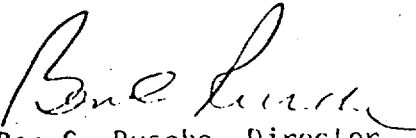
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\* Appendix A is not provided in the Federal Register publication but is available for public inspection in the NRC's public document room at 1717 H Street, N.W., Washington, D. C. and at the Southport Brunswick County Library, 109 W. Moore Street, Southport, North Carolina.

monitoring stations (seven permanent and three portable), in an array approved by the NRC staff, unless a lesser number is approved by the NRC staff in writing, and 2) quarterly reports on the monitoring data to be submitted to the NRC. Should the NRC staff determine that initiation of Phase II as described within the program within the two year monitoring period, or Phase III following initiation of Phase II, is required the licensee will either comply with a request to proceed to Phase II (or Phase III) or immediately request and be granted a hearing on the issue of whether the data on which the staff's request is based justifies the initiation of Phase II (or Phase III) under the program for seismic monitoring agreed to by the licensee and the NRC staff. Nothing herein will be construed as precluding changes in the program by the licensee which do not adversely affect the quality or quantity of information derived from the monitoring program. NRC will be informed of any such changes in the quarterly report.

2. The Order to Show Cause dated April 10, 1975 issued by Edson G. Case, Acting Director of Nuclear Reactor Regulation to Carolina Power and Light Company (Docket Nos. 50-324 and 50-325) is revoked.

The licensee, having answered the Order to Show Cause with an acceptable monitoring proposal, has not requested a hearing and has consented by letter dated June 27, 1975 to entry of this order in accordance with the provisions of 10 CFR § 2.202(e); EXCEPT that the licensee has requested and is hereby granted the right to request a hearing on any NRC order or request requiring initiation of Phase II (or Phase III) of the monitoring program as described above. In view of the foregoing this Order is effective immediately.

  
Ben C. Rusche, Director  
Office of Nuclear Reactor Regulation

Inclosure:  
Brunswick Steam Electric Plant Program  
for Seismic Monitoring dated June 10,  
1975, revised June 27, 1975

Dated at Bethesda, Maryland  
this 9<sup>th</sup> day of July, 1975

cc: See attached list



UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-325

CAROLINA POWER & LIGHT COMPANY

NOTICE OF ISSUANCE OF AMENDMENT TO CONSTRUCTION PERMIT

Notice is hereby given that the U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 1 to Construction Permit CPPR-68 issued to Carolina Power & Light Company for construction of the Brunswick Steam Electric Plant, Unit 1, located on the Permittee's site in Brunswick County, North Carolina. Amendment No. 1 is effective as of the date of issuance. This amendment adds Condition 2.D. to the Brunswick Steam Electric Plant, Unit 1 Construction Permit concerning a program for seismic monitoring for a minimum of two years unless termination is earlier approved by the Nuclear Regulatory Commission staff.

Prior notice of this amendment was published in the Federal Register on April 16, 1975 "Order to Show Cause"; on May 15, 1975 "Order Granting Extension of Time in Which to Respond to Order to Show Cause"; and on July 16, 1975 "Order Modifying License and Revoking Order to Show Cause". No request for a hearing or petition for leave to intervene was filed following these notices of the proposed action.

For further details with respect to this action, see (1) "Order to Show Cause", dated April 10, 1975, (2) "Order Granting Extension of Time to Respond to Order to Show Cause", dated May 9, 1975, (3) "Order Modifying License and Revoking Order to Show Cause". dated July 9, 1975, and (4) Amendment No. 1 to

Construction Permit CPPR-68. All of these items are available for public inspection at the Commission's Public Document Room, 1717 "H" Street, N. W., Washington, D. C. and at the Brunswick County Library at 109 W. Moore Street in Southport, North Carolina 28461.

A copy of the above items may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Reactor Licensing.

Dated at Bethesda, Maryland, this 11<sup>th</sup> day of August, 1975.

FOR THE NUCLEAR REGULATORY COMMISSION

*Walter R. Butler*

Walter R. Butler, Chief  
Light Water Reactors Branch 1-2  
Division of Reactor Licensing